GOVERNMENT OF INDIA
URBAN DEVELOPMENT
LOK SABHA

UNSTARRED QUESTION NO:4454
ANSWERED ON:29.03.2017
Waste Management
Patel Shri Dilip

Will the Minister of URBAN DEVELOPMENT be pleased to state:

Will the Minister of URBAN DEVELOPMENT be pleased to state:

(a) the details of waste-generate in Gujarat during the last three years and the current year so far, city-wise; and

(b) the details of projects undertaken for waste management in Gujarat during the above period along with the current status of these projects, city-wise?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT
(RAO INDERJIT SINGH)

(a): The details of city-wise waste generated in Gujarat during the last three years and the current year are at Annexure-I.

(b): The details of projects undertaken for waste management in Gujarat are at Annexure-II.

ANNEXURE REFERRED TO IN REPLY TO LOK SABHA UNSTARRED QUESTION NO.4454 FOR ANSWER ON 29.03.2017

ANNEXURE-I

The details of Waste generated in Gujarat during the last three years and the current year so far city-wise.
<pre>
Sl. No. City Name Total Waste Generated (TPD)
2013 2014 2015 2016 2017
1 Ahmedabad 2416 3021 3776 4720 5664
2 Bhavnagar 114 143 178 223 268
3 Gandhinagar 48 60 75 93 112
4 Jamnagar 171 214 267 334 401
5 Junagadh 68 84 106 132 158
6 Rajkot 293 366 457 572 686
7 Surat 922 1152 1440 1800 2160
8 Vadodara 627 784 980 1225 1470
9 Anand 31 38 48 60 72
10 Bharuch 46 58 72 90 108
11 Botad 16 20 26 32 38
12 Gandhidham 37 46 57 72 86
13 Godhara 23 29 36 45 54
14 Jetpur 20 26 32 40 48
15 Kalol 19 24 30 37 45
16 Mehsana 28 35 44 55 66
17 Morbi 23 29 36 45 54
18 Nadiad 47 59 74 92 110
19 Navsari 45 56 70 88 105
20 Palanpur 28 35 44 55 66
21 Patan 13 16 20 25 30
22 Porbandar 28 35 44 55 66
23 Surendranagar 42 53 66 83 99
24 Valsad 22 27 34 43 51
25 Vapi 32 40 50 63 76
26 Veraval 27 33 42 52 62
27 Amreli 23 29 36 45 54
28 Anjar 15 19 23 29 35
29 Ankleshwar 11 14 17 22 26
30 Bardoli 10 12 15 19 23
31 Bhuj 32 39 49 62 74
32 Bilimora 10 12 16 20 23
33 Borsad 8 11 13 17 20

34 Dabhoi 5 7 8 10 12
35 Dahod 19 23 29 37 44
36 Deesa 10 13 16 20 24
37 Dholka 18 22 28 35 41
38 Dhoraji 13 16 20 25 30
39 Dhrangadhra 7 9 11 14 16
40 Gondal 19 24 30 38 46
41 Himmatnagar 20 25 31 39 46
42 Kadi 12 15 19 24 28
43 Keshod 10 13 16 21 25
44 Khambhat 11 13 17 21 25
45 Mahuva 14 17 21 27 32
46 Mangrol 14 17 22 27 32
47 Modasa 6 8 10 12 14
48 Okha 10 13 16 20 24
49 Palitana 13 16 20 25 30
50 Petlad 10 13 16 20 24
51 Savarkundla 7 9 11 14 17
52 Siddhpur 9 12 15 19 22
53 Una 10 12 15 19 22
54 Unjha 6 7 9 11 13
55 Upleta 7 9 11 14 17
56 Vadhvan 9 11 14 17 20
57 Vijalpore 10 13 16 21 25
58 Viramgam 8 10 12 16 19
59 Visnagar 12 16 19 24 29
60 Bagasra 6 8 10 12 14
61 Balasinor 4 5 6 8 10
62 Bavla 4 5 6 8 10
63 Bhachau 6 7 9 11 13
64 Chaklasi 3 4 5 6 8
65 Chhaya 8 10 12 15 18
66 Dehgam 6 7 9 11 13
67 Dhandhuka 6 7 9 11 13
68 Dwarka 10 13 16 20 24
69 Gadhda 3 4 5 6 7
70 Gariyadhar 4 5 6 8 9
71 Halol 5 6 8 10 12
72 Idar 3 4 4 6 7
73 Jafrabad 3 4 5 6 7
74 Jambusar 5 6 8 10 11
75 Jasdan 6 8 10 12 14
76 Jhalod 3 3 4 5 6
77 Kapadvanj 7 8 10 13 16
78 Karamsad 6 7 9 12 14
79 Karjan 4 5 6 8 10
80 Khambhaliya 9 11 13 17 20
81 Khed Brahma 4 5 6 8 9
82 Kodinar 8 10 13 16 19
83 Limbdi 8 10 12 15 18
84 Lunavada 6 8 10 12 14
85 Manavadar 6 8 10 12 14
86 Mandavi 9 12 15 19 22
87 Mansa 7 9 11 14 17
88 Mehmadabad 5 6 7 9 11
89 Padra 5 6 7 9 11
90 Pardi 4 5 6 7 9
91 Radhanpur 6 8 10 13 15
92 Rajpipla 7 9 11 14 17
93 Rajula 6 8 10 12 15
94 Ranavav 9 11 14 17 21
95 Salaya 5 6 7 9 11
96 Sanand 9 12 14 18 22
97 Sihor 9 12 14 18 22
98 Talaja 5 6 8 10 12
99 Thangadh 7 9 11 14 16
100 Umreth 5 6 8 10 12
101 V.Vidyanagar 5 6 8 10 11
102 Vadnagar 3 3 4 5 6
103 Vyara 7 9 11 14 16
104 Wankaner 7 8 10 13 15

105 Amod 3 3 4 5 6
106 Anklav 2 2 3 3 4
107 Babra 3 4 5 6 7
108 Bantawa 2 2 2 3 4
109 Baravala 3 3 4 5 6
110 Bareja 4 5 7 8 10
111 Bayad 3 3 4 5 6
112 Bhabhar 4 5 6 8 9
113 Bhanvad 2 2 3 4 4
114 Bhayvadar 3 3 4 5 6
115 Boriyavi 3 3 4 5 6
116 Chalal 2 3 3 4 5
117 Chanasma 2 2 3 3 4
118 ChhotaUdaipur 3 3 4 5 6
119 Chorvad 6 8 10 12 15
120 Chotila 4 5 6 8 9
121 Dakor 5 7 9 11 13
122 Damnagar 2 2 3 4 4
123 DevagadhBariya 4 5 6 8 10
124 Dhanera 5 6 8 10 12
125 Dharampur 4 5 7 8 10
126 Dhrol 4 5 6 8 10
127 Gandevi 3 3 4 5 6
128 Halvad 4 4 6 7 8
129 Harij 4 4 6 7 8
130 Jamjodhpur 4 5 6 7 9
131 Jamraval 3 4 4 6 7
132 Kaalol 6 8 10 13 15
133 Kalavad 3 4 5 6 7
134 Kanjari 3 4 5 6 8
135 Kansad 2 2 3 3 4
136 Kathlal 5 6 8 10 11
137 Kheda 4 4 6 7 8
138 Kheralu 3 4 5 7 8
139 Kutiyana 3 3 4 5 6
140 Lathi 2 3 4 5 5
141 Mahudha 3 4 5 6 7
142 Maliyamiyana 3 4 4 5 5
143 Mandavi_S 3 3 4 5 6
144 Oad 4 4 6 7 8
145 Patdi 2 3 3 4 5
146 Pethapur 4 5 6 8 10
147 Prantij 4 4 6 7 8
148 Rapar 5 6 7 9 11
149 Santrampur 3 4 5 6 7
150 Savri 3 3 4 5 6
151 Shahera 4 4 6 7 8
152 Sikka 6 8 10 12 15
153 Sojitra 3 3 4 5 6
154 Songadh 3 4 5 7 8
155 Sutrapada 3 4 5 7 8
156 Talala 3 4 5 7 8
157 Talod 2 2 3 4 4
158 Tarsadi 3 4 5 7 8
159 Thara 3 3 4 5 6
160 Tharad 4 4 6 7 8
161 Thasra 3 3 4 5 6
162 Umargam 5 6 8 10 12
163 Vadali 4 5 6 8 9
164 Vallabhipur 3 3 4 5 6
165 Vanthali 2 2 2 3 4
166 Vijapur 3 3 4 5 6
167 Visavadar 2 2 2 3 4
168 Sachin 12 15 17 21 25
169 Kadodara 12 14 17 20 24
170 Bopal-Ghuma 23 28 33 40 48
Total 6098 7620 9522 11899 14278
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ANNEXURE REFERRED TO IN REPLY TO LOK SABHA UNSTARRED QUESTION NO.4454 FOR ANSWER ON 29.03.2017

ANNEXURE-II

The details of projects undertaken for waste management in Gujarat during the above period along with the current status to these projects, city-wise.

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Sl. No.	Name of the City	Municipal waste feeding capacity (MT/D)
1	Deesa	17.5
2	Tharad	5
3	Kadi	10
4	Kheralu	5
5	Unja	10
6	Vadnagar	5
7	Vijapur	5
8	Visnagar	12.5
9	Chanasma	2.5
10	Harij	2.5
11	Patan	20
12	Radhanpur	7.5
13	Siddhapur	10
14	Himatnagar	10
15	Idar	5
16	Khedbrahma	5
17	Modasa	10
18	Pratij	5
19	Talod	2.5
20	Vadali	2.5
21	Bayad	2.5
22	Bagasara	7.5
23	Chalala	2.5
24	Lathi	2.5
25	Savarkundala	12.5
26	Gadhada	5
27	Gariyadhar	7.5
28	Mahuva	12.5
29	Talaja	5
30	Bhanvad	2.5
31	Dhrol	5
32	Dwarka	7.5
33	Jam Jodhapur	5
34	Jam Khambhaliya	7.5
35	Kalavad	5
36	Salaya	5
37	Bantva	2.5
38	Chorvad	5
39	Kodinar	7.5
40	Manavadar	5
41	Una	10
42	Vanthali	2.5
43	Visavadar	2.5
44	Kutiyana	2.5
45	Porbandar	40
46	Ranavav	5
47	Bhayavadar	2.5
48	Gondal	12.5
49	Jasdan	7.5
50	Morbi	40
51	Upleta	10
52	Wankaner	7.5
53	Dhrangadhra	12.5
54	Limbdi	7.5
55	Suredranagar	40
56	Thangadh	7.5
57	Vadhwan	12.5
58	Anjar	12.5
59	Bhachau	5
60	Mandvi	7.5
61	Rapar	5
62	Ankleshwar	15
63	Jambusar	7.5
64	Bardoli	10

65 Sonagadh 5
66 Dharampur 2.5
67 Pardi 5
68 Vapi 17.5
69 Bavla 5
70 Dhandhuka 5
71 Viramgam 10
72 Ankalav 2.5
73 Boriavi 2.5
74 Karamasad 5
75 Khambhat 12.5
76 Ode 2.5
77 Devgadh Bariya 2.5
78 Dahegam 7.5
79 Kalol 17.5
80 Mansa 5
81 Balasinor 7.5
82 Chaklasi 7.5
83 Dakor 5
84 Kapadvanj 7.5
85 Kheda 5
86 Mehmdavad 7.5
87 Rajpipla 7.5
88 Godhra 40
89 Halol 7.5
90 Kaalol 5
91 Dabhoi 10
92 Karjan 5
93 Padra 7.5
782.5

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Status of Gujarat State: Solid Waste Management
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Sl. No. Municipal Corporation/ ULBs Approximate Total Waste Generated (TPD) Approximate Waste to Processing (TPD) Waste to Processing (in TPD) Waste to Energy (under commissioning stage) Proposed Eletricity Generation (in MW) Remarks
Vermi Composting Mechanical Composting Bio methanation RDF Composting
1 Ahmedabad Municipal Corporation 4000
Including 300 TPD
C & D Waste 1252.00 0.00 302.00 0.00 650.00 3000 TPD(EOI to Abellon, Essel, JITF for WTE projects) 45.00 Out of 4000 TPD, Daily collection of 300 Tones of C & D Waste which is converted into recyclables by AMC under the PPP mode.
2 Vadodara Municipal Corporation 1200.00 200.00 0.00 0.00 200.00 0.00 900-1000 TPD 8.00 MoU done with Finish Waste Management Consortium for Waste Management Park during Vibrant Gujarat-2015. Proposed Year of Commencement is expected to be in the year 2018.
3 Surat Municipal Corporation 1600.00 200.00 200.00 1000 TPD 10.00 Another 600 TPD and 500 TPD Waste to Energy plants are also planned on EPC basis.
4 Rajkot Municipal Corporation 535.00 0.00 0.00 0.00 0.00 0.00 350 TPD 2.00 At present RMC has entered into an agreement with Strot and Rochem Separation System India Pvt. Ltd. to generate 4 MW electricity from MSW. Civil work of the plant is going on and it will be completed up to September-2016.
5 Bhavnagar Municipal Corporation 200.00 135.00 0.00 15.00 120.00 0.00 250 TPD 2.00 EOI under process for capacity of 250 TPD Waste to Energy Plant.
6 Jamnagar Municipal Corporation 250.00 - - - - - - Tenders havve been invited for Waste to Energy Project.
7 Junagadh Municipal Corporation 110.00 - - - - - - Project Report for Development of Scientific land fill site along with tratment facility is under preparation. Once the report is available, feasibility option of Waste Processing or Waste to Energy would be decided.
8 Gandhinagar Municipal Corporation 75.00 6.00 6.00 - - - - Biomethanation Plant is under commissioning stage.
9 162 Nagarpalikas 2234.00 800.00 800.00 - - - -
Total 10204.00 2593.00 806.00 317.00 520.00 650.00 5600 TPD (Waste to Electricity) 67 MW
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